Drone ID System

ID: 45 9635 4500
Pos: 57.012536N
        9.988187E

Drone ID System is an electronic ID system enabling everybody with a Wi-Fi enabled phone to read the ID of a flying drone.

The flight can be logged and stored for later retrieval by the authorities should that be needed.

The system consist of a small and lightweight ID transponder operating autonomously attached to the drone. The ID transponder is equipped with GPS receiver and battery.

Features

- Readable from up to 2.2 km using dedicated reader (used by e.g. the authorities)
- Readable from any Wi-Fi enabled smartphone with app installed
- Enables logging of full flight to central database
- Onboard storage of flight log for later delivery to central log database in case access should be unobtainable for any reason
- Weight less than 10 grams
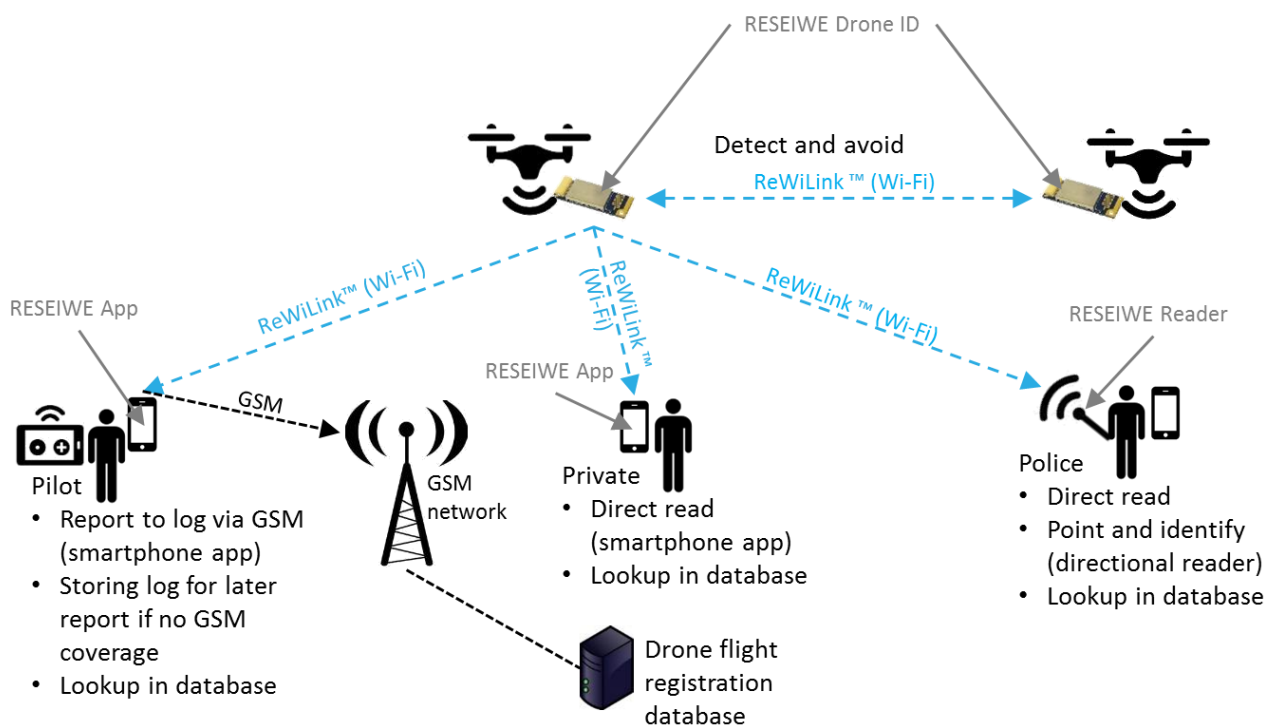- Uses standard Wi-Fi frequencies available globally

160112

RESEIWE
systems for wireless reliability

System description

The system consist of four elements

- The Drone ID is a small and lightweight transponder for attachment to the drone. It has own battery and GPS.
- A dedicated reader for professionals to read the Drone ID at distances up to 2.2 km
- An app for installation on the pilot smartphone. The app receives the drone identification, transmitting the ID and position every second to a common logging database if required by the authorities
- An app for smartphones enabling private persons to read the ID of drones flying in the neighborhood

The radio link use frequencies in the globally available 2.4GHz band used for e.g. Wi-Fi. Transmission is using ReWiLink™ for range extension maintaining compatibility with standard Wi-Fi in e.g. smartphones.

The system may also offer position information for other drones for detect and avoid. This requires connection from the Drone ID to the flight controller (option)